Overview

Models

HP bt450 Bluetooth Wireless Printer and PC Adapter Q6398A

Introduction

Create a local wireless network access point around your business PC, enabling wireless communication with other Bluetooth enabled devices such as keyboards, mice, printers, cell phones, headsets, digital cameras or personal digital assistants (PDA).

The HP bt450 Bluetooth Wireless Printer and PC Adapter is a wireless communication transmitter/receiver that plugs into any USB port on your HP Business Desktop. It supports the Bluetooth 2.0 SIG specification and provides wireless local area coverage over a radius of 100 feet (30 metres).

Bluetooth is an industry standard for personal area network (PAN) wireless communication. It represents a short-range wireless technology meant to replace wiring such as parallel printer cords, serial PDA cords and USB cables. With Bluetooth, you not only experience the benefits of reduced cable clutter (fewer cables and cords), but also have more convenient synchronizing, file sharing, and printing from within a wireless network. Since Bluetooth uses a very low-power signal, it also preserves battery power by providing low power consumption in both sleep modes and active operational modes.

Bluetooth can support authentication and encryption capabilities for both incoming and outgoing connections. Encryption is dependent on the devices security capabilities and whether a user level or ROM level security capability exists. The authentication scheme during device pairing requires a secret key or password to be generated. Validation of the secret key must be entered by the other party to complete the pairing process. Authentication A unique 128-bit encryption key is generated for each session, which is used to derive a unique key for each packet. providing a security advantage over 802.11 implementations.

Bluetooth networking technology within and around your business PC allows you to create the ultimate flexibility for synchronizing and communicating with the many input/output and mobile devices that are becoming a fundamental requirement for successful business.

Key Benefits

- Easy to use – simply plug it into the USB port of your HP Business Desktop or printer and run the Bluetooth software on the PC.
- Supports Bluetooth-enabled peripherals like headsets, mice and keyboards.
- Reduce desktop clutter by wirelessly printing files from your HP Business Desktop to a Bluetooth-enabled printer.
- Connect range of up to 30 meters/100 feet.
- Synchronizes with Bluetooth-enabled PDAs or cell phones.

Compatibility

The HP bt450 Bluetooth Wireless Printer and PC Adapter is compatible with all HP Compaq Business Desktop PCs.

NOTE: Not all models are available in all regions.

Overview

Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

Technical Specifications

Interface	USB	
	Plug and play compatible	
Transfer rates	3 Mb/s (2.1 Mb/s)	
Range	98.4 ft (30 m)	
Dimensions (w x h x d)	0.75 x 2.4 x 0.36 in (19 x 61 x 9.3 mm)	
Weight	0.29 oz (8.1 grams)	
Supported modes	Bluetooth Basic Rate Bluetooth Enhanced Data Rate Bluetooth Master Bluetooth Slave Bluetooth HCI USB HID (Human Interface Device) Emulation Bluetooth Discovery Bluetooth Dicoverable	
Radio technology	Adaptive Frequency Hopping and Fast Connect, supporting full piconet and scatternet operation	
	2.4-GHz transceiver with typical -89dBm Sensitivity	
Compliance	Bluetooth 2.0+EDR	
	USB 2.0 full speed compliant (compatible with USB 2.0 OHCI, EHCI, and UHCI controllers	
Security	128-bit Encryption (Authentication E1 algorithm/Encryption uses stream cipher E0)	
Visual indicator	Radio on	
Environmental (operating conditions)	Temperature	32° to 149° F (0° to 65° C)
	Storage Temperature	-4° to 149° F (-30° to 65° C)
	Operating Humidity	10% – 90% operating
	Storage Humidity	5% – 95% non-operating
Certifications, requirements	BQB, USB 1.1 and Microsoft WHQL Logo	
	ANSI C63.4-192, AS 2772.1, Australian Comm. Authority, CB Bulletin No 96A, CFR 47, Part 15, EN 300328, EN 301 489-17, EN 55 022, EN 55024, EN 60825-1.-2, EN 60950, ETS 300 826, ICES-003, IDA TS SSS, IEC 60950, IEC 61000-4 Sectio0ns 2-6, 8, 11, LPD Exemption Order, NOM 121-SCT1-1994, OSM/EE, PIB 18, Radio Law, RFS 29, RSP 100, RSS 210, Taiwan EMC Law, UL 60950, UL 94, VCCI : V-3/99.05m, FCC Part 15 B, FCC Part 15.407, ETSI 300 328 2:2000, ETSI 301 489 17:2000, EN 60950:2000, CE Mark	
Interoperability	Bluetooth BqB	
Supported profiles	Generic Access Profile (GAP) Personal Area Networking Profile (PAN) Service Discovery Profile (SDP) Serial Port Profile (SPP) Dial-Up Networking (DUN) LAN Access (LAP) Generic Object Exchange Profile (GOEP) File Transfer Profile (FTP) Object Push Profile (OPP) Synchronization Profile (SYNC) Object Exchange (OBEX) Hard Copy Cable Replacement (HCRP) Headset Profile (HSP)	

	FAX Profile (FAX) on systems that have a fax modem Basic Imaging Profile (BIP), remote camera Advanced Audio Distribution Profile (A2DP) Generic Audio Video Distribution Profile (GAVDP) Human Interface Device Profile (HID) Basic Network Encapsulation Protocol (BNEP)
Usage scenarios	**Bluetooth Imaging** – Supports transmission of images (BMP, GIF, PNG, & JPG). **Bluetooth Serial Port** – A wireless interoperability between two devices similar to legacy serial port cable implementations. **Dial-up Networking** – Allows a modem sharing by using a modem which resides on another Bluetooth device. **Fax** – Allows fax capability from remote devices such as Bluetooth cell phone, modem, or computers. **File Transfer** – File sharing support on other Bluetooth devices; browse, open, copy, etc. **Headset** – Supports Bluetooth headset capabilities as an input/output mechanism for other Bluetooth devices, such as a computer or cell phone. **PIM Item Transfer** – Allows exchange of Personal Information Manager data such as business cards, calendar items, email messages, and notes. **PIM Synchronization** – Allows two Bluetooth devices to synchronize Personal Information Manager data. **Network Access** – Allows LAN access via a second Bluetooth device that is physically connected or allows a remote device to become part of an ad hoc network provided by the Bluetooth server. **Audio Gateway** – The microphone/speakers on a Bluetooth device (typically a computer) will be used as the audio input/output mechanism for a remote Bluetooth device, such as a cell phone. **Stereo Headphones** - Listen to high-quality stereo audio.* * This is possible using the A2DP profile; a completely different profile from the SCO audio that are used by mono headsets.
Operating system support	Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32*. No driver is required for this device. Native support is provided by the operating system. Red Hat Linux 7.2, Linux 7.3 and Red Hat Enterprise Linux 3 * Certain Windows Vista product features require advanced or additional hardware. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit http://www.windowsvista.com/upgradeadvisor. For Windows Vista system requirements, visit http://www.windowsvista.com/systemrequirements.
Option kit content	HP bt450 Bluetooth Wireless Printer and PC Adapter, documentation, drivers CD
Compatibility with industry Bluetooth products	HP Printers: http://www.hp.com HP Photosmart 2570 All-in-One HP Photosmart 2600/2700 All-in-One HP Photosmart 3200/3300 All-in one HP OfficeJet Printers HP Officejet 7200 series HP Officejet 7300/7400 series HP Deskjet 460 HP Photosmart 335 HP Photosmart 385 HP Photosmart 428 HP Photosmart 475 HP Photosmart 7850 HP Photosmart 8050 HP Photosmart 8150 HP Photosmart 8250

	HP Photosmart 8450 HP Photosmart 8750
Other HP Products:	Bluetooth® Stereo Headphones
Logitech Bluetooth Products: http://www.logitech.com	Logitech diNovo Media Desktop Logitech Mobile Pro Headset Logitech Mobile Traveller Headset Logitech Mobile Freedom Headset
Belkin Bluetooth Products: http:// www.belkin.com	Bluetooth Hands-Free Headset F8T061 Bluetooth Wireless Optical Mouse F8T041-B Bluetooth Wireless USB Printer Adapter F8T031 Bluetooth Access Point With USB Printer Server F8T030 Bluetooth USB Adapter (10M) F8T003v2 Bluetooth USB Printer Adapter (100M) F8T001v2 Bluetooth GPS Navigation System F8T051
GN Netcom Bluetooth Products: http://www.gnnetcom.com	GN6120
Jabra Bluetooth Products: http://www.jabra.com	BT800 BT500 BT250 BT250v BT110 A210

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